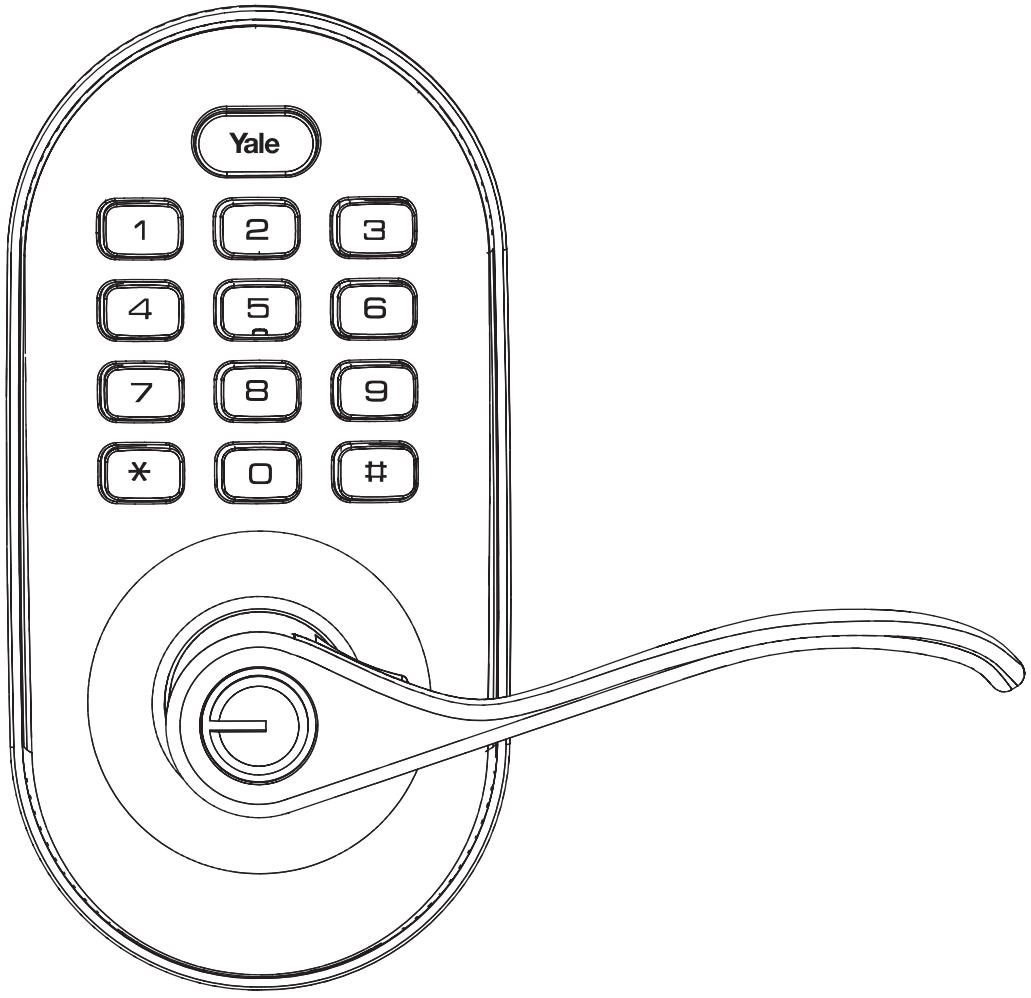
Yale Real Living™ Push Button Lever Installation and Programming Instructions

NOTE TO INSTALLER

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT AND VOID THE FACTORY WARRANTY



For Technical Assistance call Yale at 1-800-810-WIRE (9473)

This document is available on our website in printed Spanish and French. Go to www.yalecommercial.com. Click "Product Information & Documentation" and then "Installation Instructions".

Este documento está disponible en español en nuestra página de internet. Vaya a www.yalecommercial.com. Presione "Información del Producto y Documentación" y luego "Instrucciones de Instalación".

Ce document est disponible sur notre site Web dans le français imprimé. Allez à www.yalecommercial.com. Cliquez sur le " ; Information sur le produit et Documentation" et puis " Installation Instructions".

P/N AYRT-210-INST-FUL Rev E

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WARNINGS

Warning: Changes or modifications to this device not expressly approved by Yale Security, Inc. could void the user's authority to operate the equipment.

IMPORTANT: The accuracy of the door preparation is critical for the proper functioning and security of this product. Misalignment can cause performance degradation and a lessening of security.

Finish Care: This lockset is designed to provide the highest standard of product quality and performance. Care should be taken to ensure a long-lasting finish. When cleaning is required use a soft, damp cloth. **Using lacquer thinner, caustic soaps, abrasive cleaners or polishes could damage the coating and result in tarnishing.**

FCC:

FCC ID: U4A-YRHCPZW0 (Z-Wave); U4A-YRHCPZB0 (Zigbee)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful Interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada:

Canadian ID: 6982A-YRHCPZW0 (Z-Wave); 6982A-YRHCPZB0 (Zigbee)

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe B répond à toutes les exigences de l'interférence canadienne causant des règlements d'équipement. L'opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interférence reçue, y compris l'interférence qui peut causer l'opération peu désirée.

For the U4A-YRHCPZB0 and 6982A-YRHCPZB0, the following statement applies:
"This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter."

Section 7.1.2 of RSS-GEN Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.
En vertu des règlements d'Industrie Canada, cet émetteur radio ne peut fonctionner avec une antenne d'un type et un maximum (ou moins) approuvés pour gagner de l'émetteur par Industrie Canada. Pour réduire le risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisies de façon que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour une communication réussie.
Section 7.1.3 of RSS-GEN This Device complies with Industry Canada License-exempt RSS standard(s). Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.
Cet appareil est conforme avec Industrie Canada RSS standard exemptes de licence(s). Son fonctionnement est soumis aux deux conditions suivantes: 1) ce dispositif ne peut causer des interférences, et 2) cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositif.

INTRODUCTION

The Yale Real Living™ Stand-alone Push Button Lever Lock combines a robust lockset with a contemporary electronic aesthetic.

Users benefit from an interactive Push Button keypad that makes day-to-day access effortless for simple updates to user information in the event of staffing changes or security breaches.

Yale Real Living™ is engineered for quick and easy installation and fits in place of a standard lever lock door prep (ANSI/BHMA A156.115).

If this is an RF-enabled network lock, it needs to be located within 30 - 50 feet of another network controller or a repeating device. That distance is influenced by objects between the lock and the controller and may be expanded depending on proximity to other RF network devices. Also, if the lock is connected to a network controller, it is recommended that it is programmed through the centralized user interface (PC or hand-held device) to ensure communication between the lock and the controller unit.

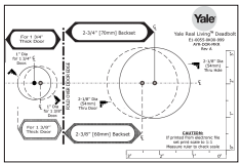
INSTALLATION

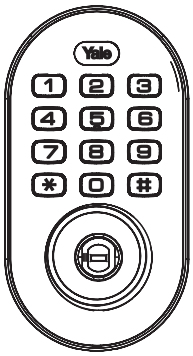
COMPONENTS AND TOOLS

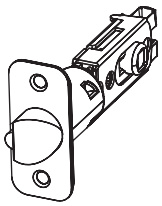
Included in the box. . .

- ☐ Installation Instructions
- ☐ Template
- ☐ Latch
- ☐ Strike Plate
- ☐ Interior Mounting Plate (with gasket)
- ☐ Interior Escutcheon
- ☐ Exterior Escutcheon
- ☐ (2) Screw Packs (see below)
- ☐ Keys
- ☐ Cylinder
- ☐ Battery Cover
- ☐ Hex key
- ☐ 4 AA Alkaline Batteries

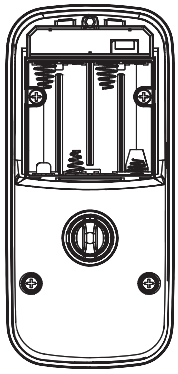
Parts Illustrations

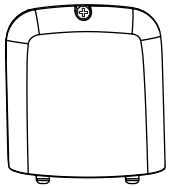

Template

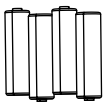

Exterior Escutcheon


Latch

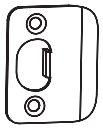
Hex key & (2) Lever Hex Set Screws (Pack 1)

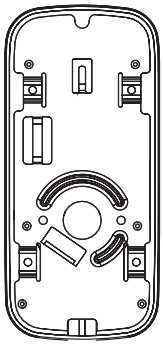

Interior Escutcheon


Battery Cover


4 AA Alkaline Batteries

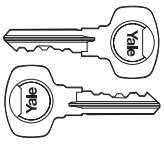
Network Module (Optional)

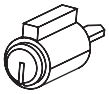

Strike Plate


Interior Mounting Plate with Gasket (back of Interior Escutcheon)

(2) Exterior & Interior Lever Handles

(2) Interior Mounting Plate Screws (Pack 1)


Keys


Cylinder

(2) Latch & (2) Strike Plate Mounting Screws (Pack 2)

(4) Interior Escutcheon Mounting Screws (Pack 1)

Tools Needed

Door Prep

- 2-1/8" (54mm) hole saw
- 1" (26mm) boring bit
- 7/64" (2.5mm) drill bit
- Chisel & hammer

Lock Installation

- #2 Phillips screw driver
- Hex key (3mm) - provided

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Preparation

Before installing the lock on the door:

NOTE: Make sure door has been prepped according to specifications in template included with lock.

A. Remove the latch (Fig. A) and strike plate from the packaging.

Both latch face and strike plate have adhesive-backed covers to prevent marring and should be removed upon installation.

NOTE: Latch ships with backset in 2-3/8" position (Fig. A).

Backset is the measurement from door edge to center of 2-1/8" diameter hole (see template supplied with lock).

If required, pull to extend to 2-3/4" backset position (Fig. A).

NOTE: Different holes are used for (2) through bolts depending on backset (see Fig. A).

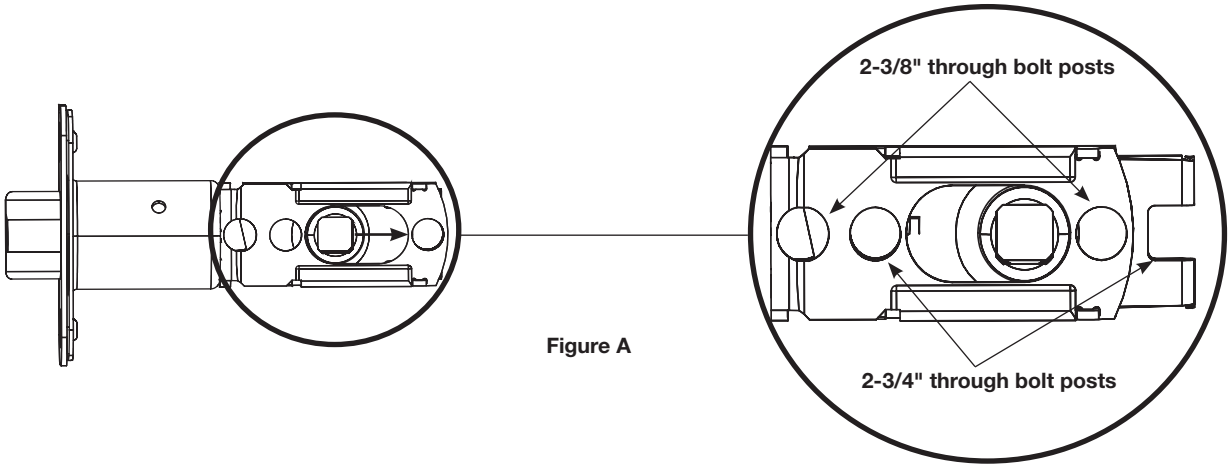
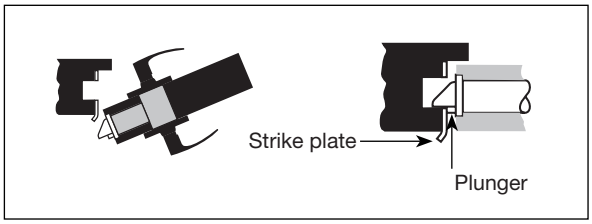


Figure A

NOTE: The latch can be installed in only one of two ways - with the *bevel* (slope) of the latch facing out or facing in **while standing exterior of the door.**

If the door opens **in**, the bevel will face the exterior (regular); if the door opens **out**, the bevel will face the interior (reverse).

IMPORTANT: Latch bevel must match door bevel and plunger of deadlocking latch must stop on strike plate when door is closed.



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Install Latch

1. Install latch in door, securing with two (2) M4 x 25.4mm screws supplied (Fig. 1).

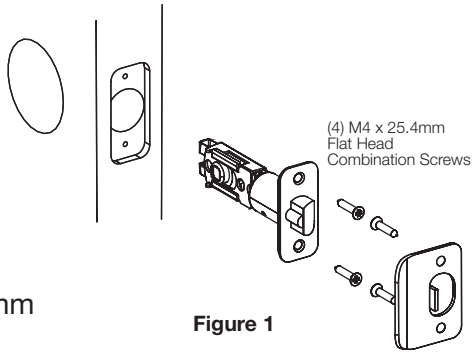

Figure 1

2. Install strike plate on the door frame, using two (2) M4 x 25.4mm screws supplied, making sure to allow for the latch to be **centered** in the strike plate.

Install Exterior Escutcheon

NOTE: The "tops" of both the square drive tube and the hub (in the shank) are **marked** to indicate their orientation for proper installation (Figures A & B).

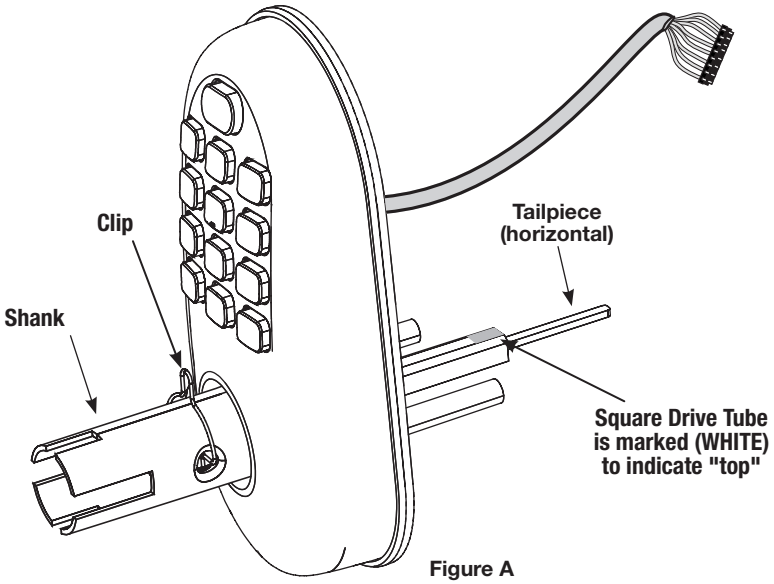

Figure A

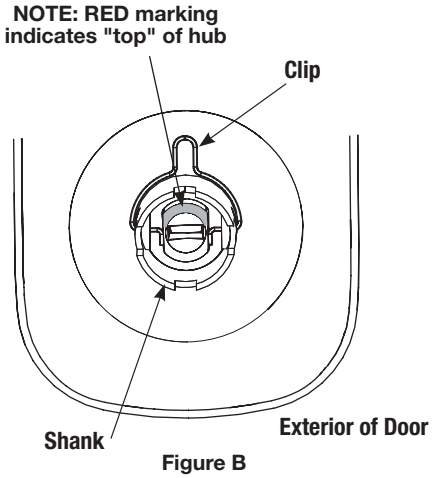

Figure B

Exterior Escutcheon
(with gasket)

Do not remove clip from Exterior Escutcheon shank until correct handing has been determined and Exterior Lever Handle is to be installed.

(See pages 10-11)

3. From outside of door, position the exterior escutcheon by first routing the wire harness through 2-1/8" diameter hole and **under** the latch (Fig. 4 & 5), then inserting the through posts* and tailpiece/square drive tube into the latch (Fig. 5).

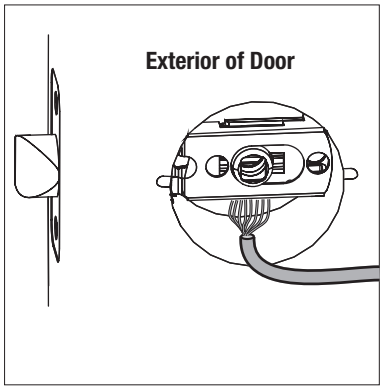

Figure 4

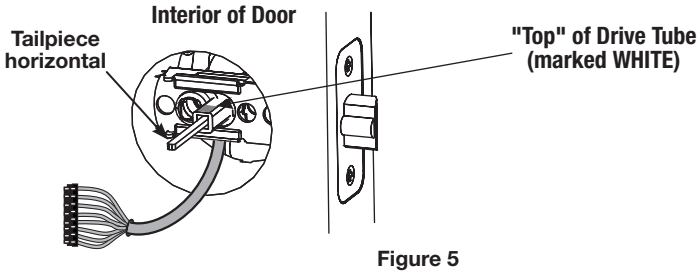

Figure 5

NOTE: Wire harness goes **under** latch (Fig. 4 & 5).

***Posts are inserted in holes according to backset adjustment. (Refer to Fig. A under "Lock Preparation")**

4. Remove the interior mounting plate (with gasket) from the back (door side) of the interior escutcheon (Fig. 6).

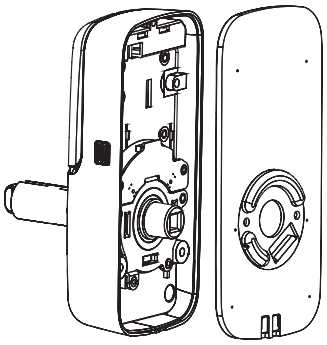

Figure 6

Interior Escutcheon & Mounting Plate (with gasket)

A. Ensure that gasket on interior mounting plate is properly fitted (Fig. 7).

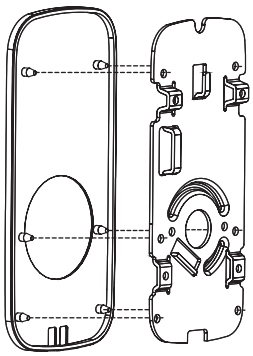

Figure 7

5. Remove the battery cover from the back of the interior escutcheon (Fig. 8) by loosening the captive Phillips head screw, then lifting the cover up and out. Note tabs at bottom of cover.

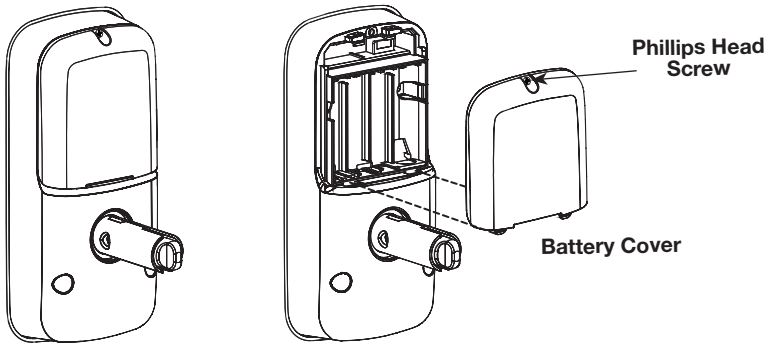

Figure 8

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Install Exterior Escutcheon and Interior Mounting Plate

6. Holding the exterior escutcheon flush to the door, position the interior mounting plate by first routing the wire harness through the mounting plate's 1/2" rectangular hole below center hole (Fig. 9).

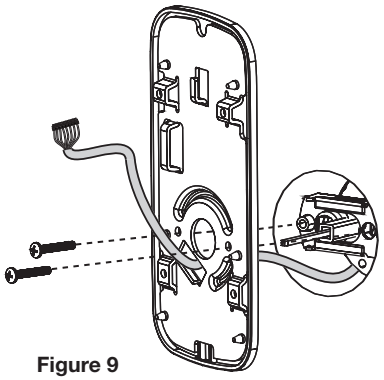

Figure 9

Interior of Door

7. Secure both assemblies by inserting (2) M4 x 25.4mm pan head machine screws through the mounting plate and into the slightly extended **through posts** of the exterior escutcheon (Fig. 10).

   Ensure that exterior escutcheon is vertically aligned.

   Tighten securely with a #2 Phillips screwdriver.
   Do not over-tighten.

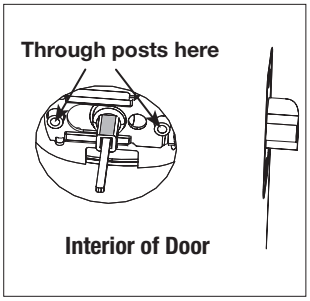

Figure 10

8. Finish routing the wire harness and connector through the left upper slot, then behind center rib (Fig. 11).

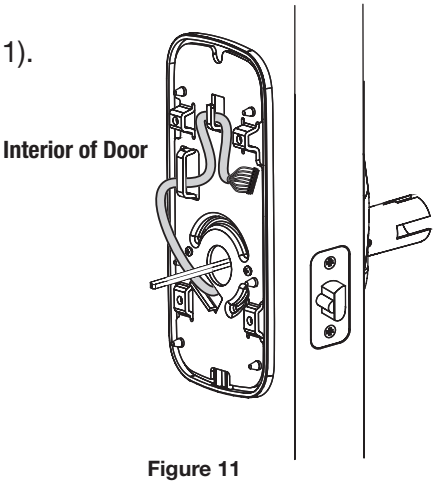

Figure 11

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Install Interior Escutcheon

9. Attach wire harness assembly to the interior escutcheon printed circuit board (PCB) by lining up notches on top of connector to slots on PCB connector (Fig. 12 & 13).

   Press connector in firmly using thumbs until completely seated (properly seated position indicated by arrows on PCB as in Fig. 13).

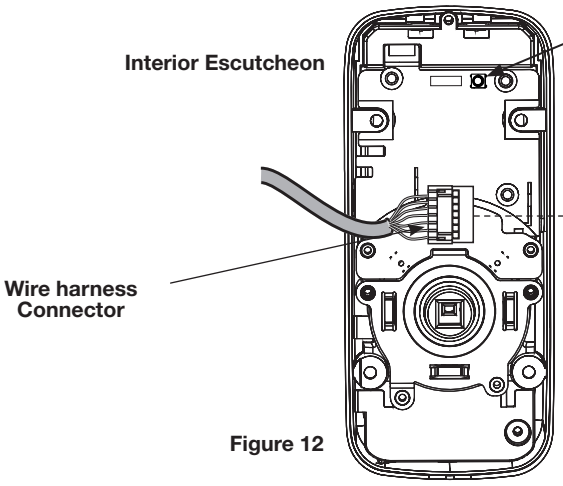

Figure 12

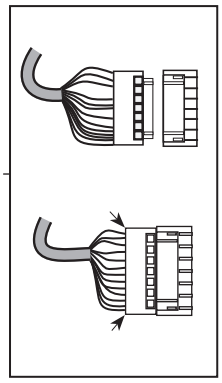

Figure 13

10. Install and secure interior escutcheon to interior mounting plate using (4) M4 x 8mm pan head machine screws through the interior escutcheon into the mounting plate (see Fig. 14).

    Thumbturn must be in vertical position.

    NOTE: Verify that wire harness is not being pinched or damaged while installing mounting screws.

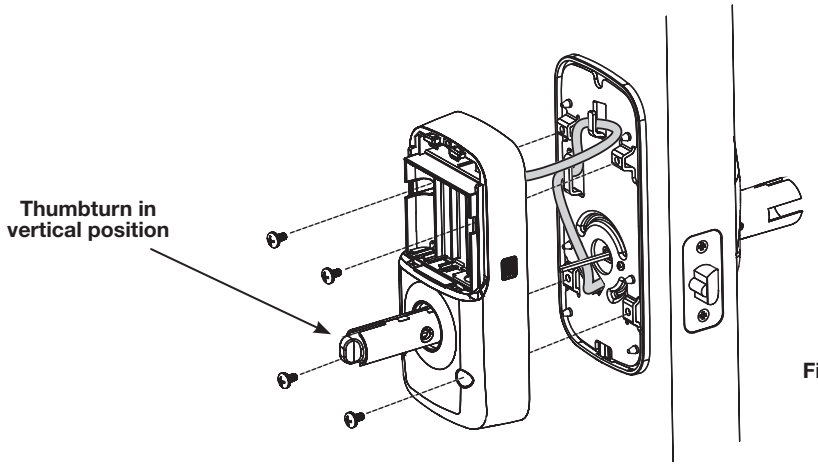

Figure 14

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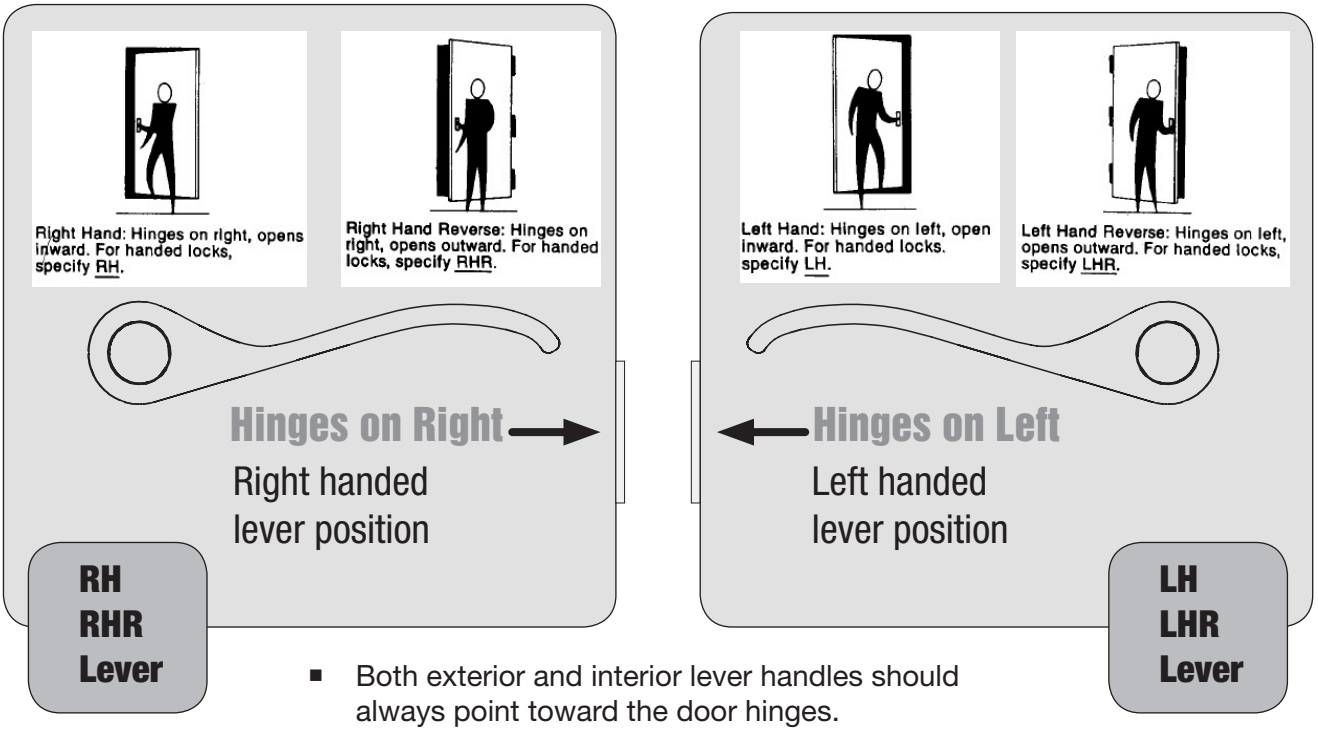
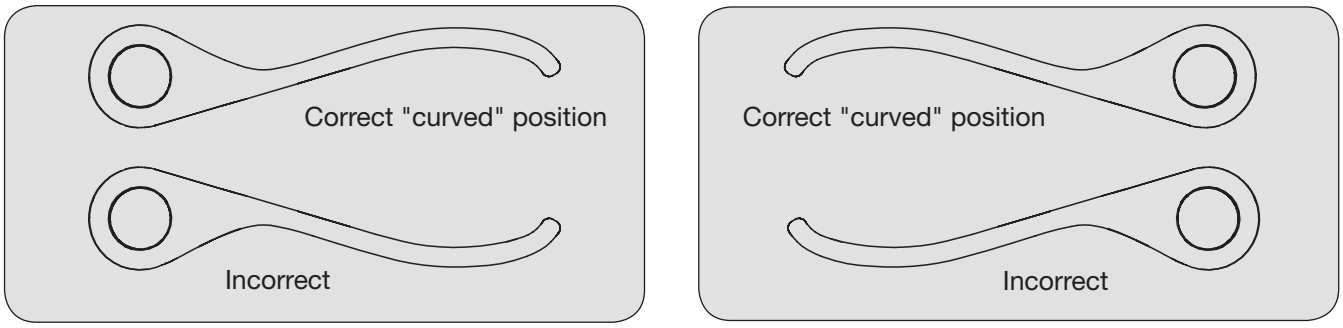
Determine Lever Handing


Right Hand: Hinges on right, opens inward. For handed locks, specify RH.
Right Hand Reverse: Hinges on right, opens outward. For handed locks, specify RHR.
Left Hand: Hinges on left, open inward. For handed locks. specify LH.
Left Hand Reverse: Hinges on left, opens outward. For handed locks, specify LHR.
Hinges on Right
Right handed lever position
Hinges on Left
Left handed lever position
RH RHR Lever
LH LHR Lever

- Both exterior and interior lever handles should always point toward the door hinges.

Determine Lever Position

Before proceeding with the next step, ensure correct lever handing for proper installation:



Important Note: Follow the detailed instructions for cylinder installation starting with step 13 on page 11 of the installation and programming manual. Next, perform the operation tests defined in step 20 on page 13 of the installation and programming manual.

Failure to install and test the cylinder for proper function may result in improper lock operation.

Install the Exterior Lever

11. Remove clip from exterior escutcheon shank.

A. **Once correct handing is determined**, remove the clip that has held the hub in its correct position by spreading clip ends to extract clip from shank as shown in Figure 15.

Do not rotate cam from its original position.

("Top" is marked RED)

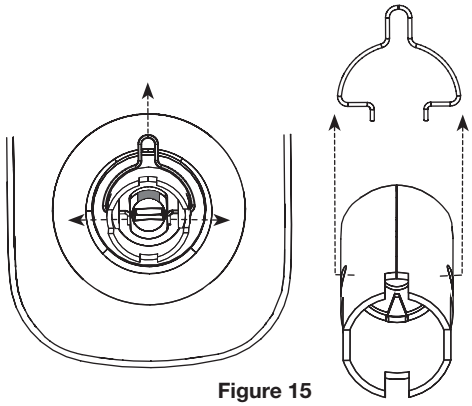


Figure 15

12. Install hex set screw.

A. Place set screw in hole on side of shank **toward latch** (Fig. 16); turn set screw **clockwise (CW)** to allow placement of lever handle over shank.

Do not overtighten.

NOTE: For correct lever handing, the hex set screw for the exterior lever shank must be installed as shown (Fig. 16).

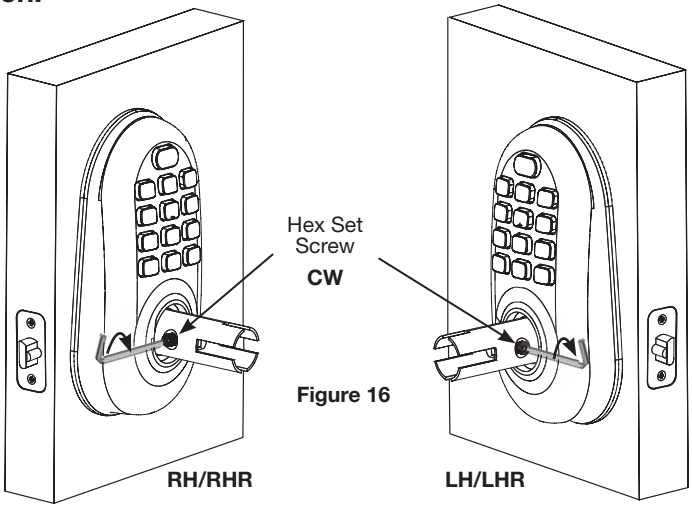


Figure 16

13. Install cylinder in exterior lever.

(If necessary, remove key from cylinder)

A. Install cylinder in exterior lever handle as shown in Figure 17.

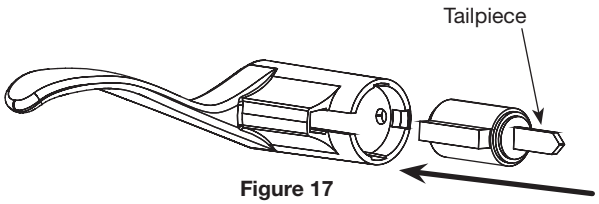


Figure 17

B. Insert key in cylinder.

While supporting cylinder tailpiece (with finger) rotate key 90° **clockwise (CW) to vertical position regardless of lever handing.**

See Figure 18.

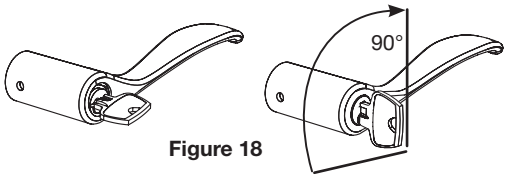


Figure 18

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NOTE: Hex set screw should be inserted far enough for handle to slide over shank, clearing the set screw.

C. Ensure that cylinder key remains in previously set vertical position (Fig. 19).

14. Push exterior lever handle over shank until hole on handle aligns with set screw in shank.

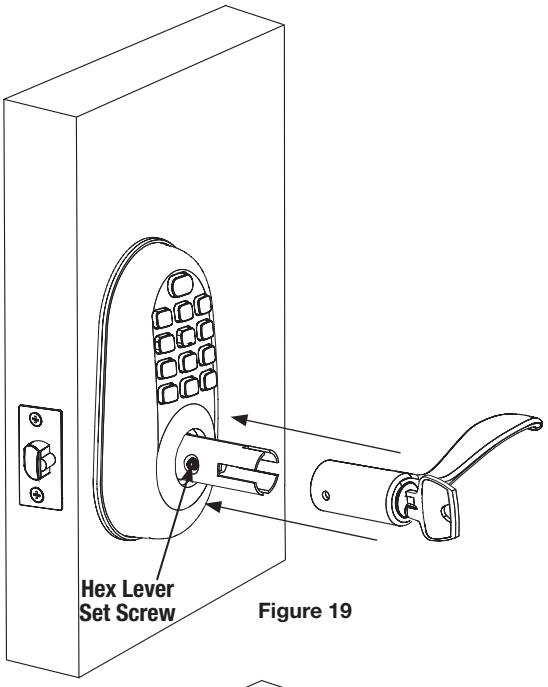

Figure 19

15. Secure lever handle by inserting hex key (Fig. 20) and rotating set screw **counter-clockwise** (**CCW**).

    This will retract the set screw back into the lever handle to secure it.

    Do not overtighten.

    A. Remove hex key.

16. Turn key 90° **CCW to horizontal position regardless of lever handling.**

    Pull to remove key (Fig. 20) and test operation of lever, ensuring that latch moves smoothly.

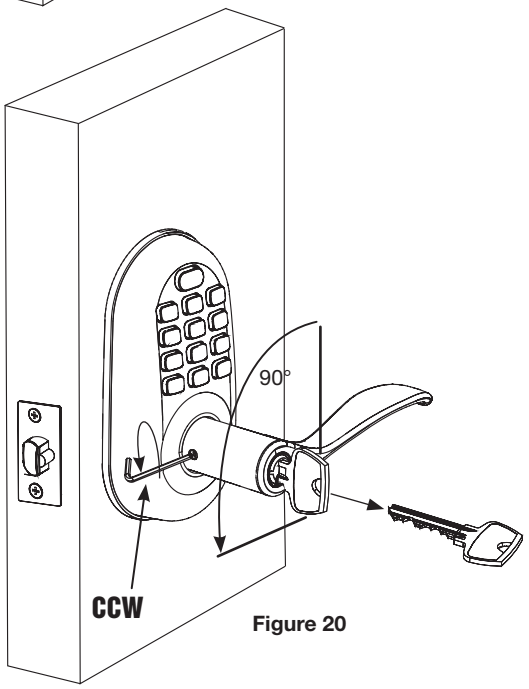

Figure 20

17. Rotate thumbturn counter-clockwise to horizontal position (Fig. 21).

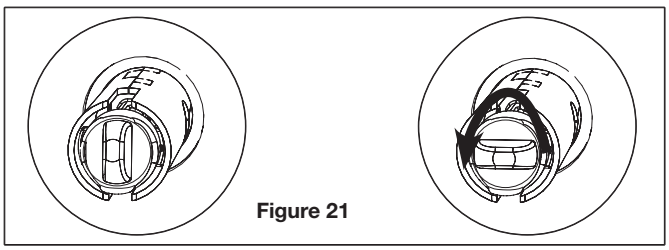
Figure 21

IMPORTANT: Test the lock's **mechanical** operation. Lift up and push down on lever handle to retract the latch, ensuring that latch moves smoothly.

If operation is not smooth for these procedures, review the previous steps to ensure proper installation, while maintaining proper alignment of escutcheons.

Install the Interior Lever

18. Install hex set screw.

NOTE: Thumbturn should still be in horizontal position.

A. Place set screw in hole on side of shank toward latch (Fig. 22); turn set screw CW to allow for placement of lever handle over shank.

Do not overtighten.

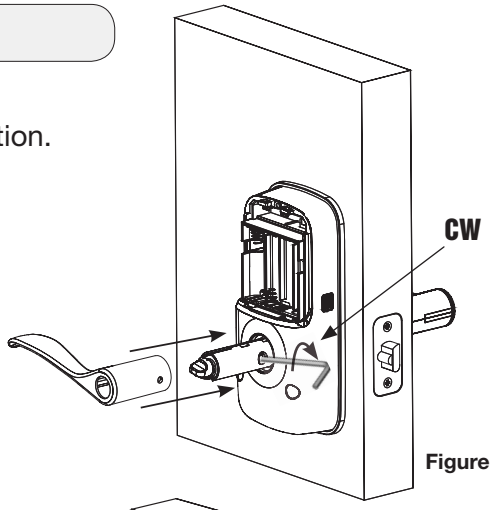

Figure 22

NOTE: Hex set screw should be inserted enough for lever handle to slide over shank, clearing set screw.

19. Place interior lever handle over shank until hole on handle aligns with set screw in shank.

20. Secure lever handle by inserting hex key and rotating set screw **CCW** (Fig. 23).

This will retract the set screw back into the lever handle to secure it in place.

Do not overtighten.

A. Remove hex key.

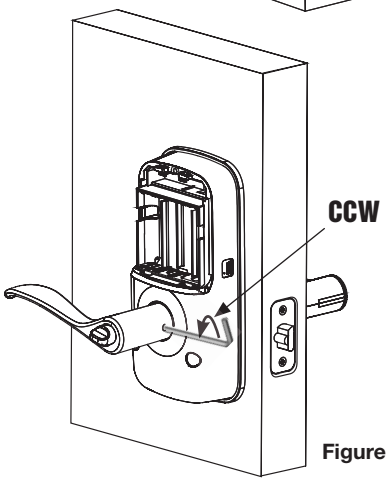

Figure 23

IMPORTANT: **Before installing the batteries,** test the lock's **mechanical** operation. Place the thumbturn in the **horizontal** position. Lift up and push down on both the interior and exterior levers (one at a time) to verify that the latch is retracted by both levers in the unlocked position.

Next place thumbturn in the **vertical** position. Lifting up or pushing down on the exterior lever should **not** retract the latch. Lifting up and pushing down on the **interior** lever should still retract the latch in the locked position .

Finally, insert key in cylinder and rotate clockwise until thumbturn moves to horizontal (unlocked) position.

If operation is not smooth for any of these procedures, review the previous steps to ensure proper installation, while maintaining proper alignment of escutcheons.

Install Batteries

21. Insert four (4) AA alkaline batteries; the lock will respond with flashes and beeps.

22. Install battery cover and tighten Phillips head screw.

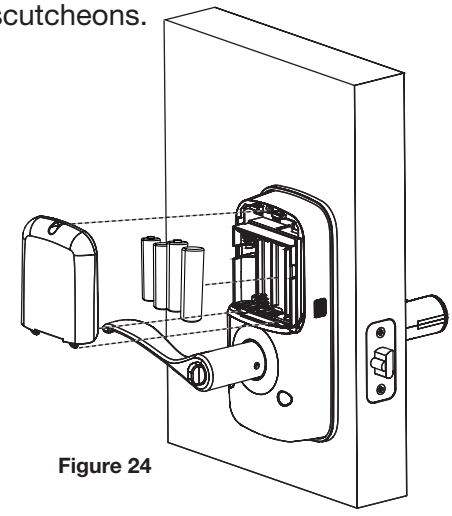
Figure 24

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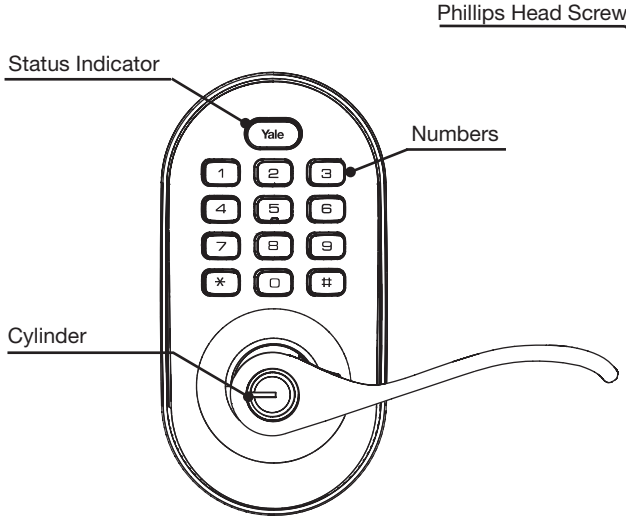
PROGRAMMING

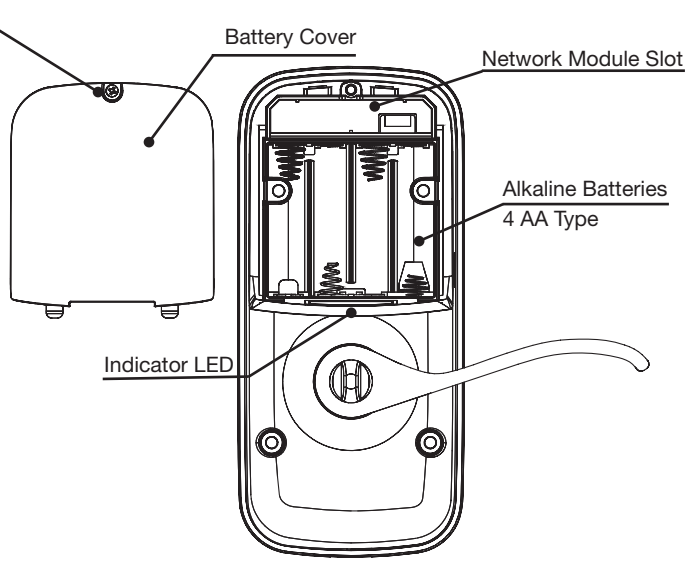
Programming Features-Menus-Keys-Definitions 14-15
Operation 16-18

PROGRAMMING FEATURES - MENUS - KEYS - DEFINITIONS

Exterior



Interior



***A unique Master PIN Code must be entered prior to any further programming of the lock.**
(See section on page 16 "Register Master PIN Code Before Programming")

Menu and Icons Used in This Guide

1 ~ 0	Click the indicated number.	M PIN	Enter Master PIN code* (4-8 digits in length).
*	Press the **Star** key on the keypad to **Enter** or **Accept** entry.	U PIN	Enter User PIN. Can be 4-8 digits in length.
#	Press the **Pound** key on the keypad to enter **Menu** mode.	U N	User Number (1 - 25); RF Controlled (1 - 250).

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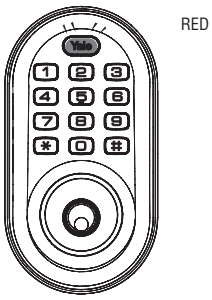
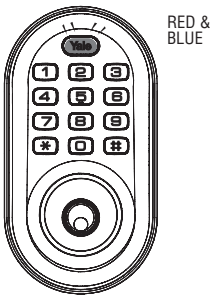
Status Indicators

1 Low Battery Warning



2 Lock-out Mode



3 Enter the Menu Mode

Definitions

All Code Lockout Mode: This feature is enabled by the Master code. When enabled, it restricts all user (except Master)PIN code access. When attempting to enter a code while the unit is in Lockout, the Status Indicator flashes RED and BLUE (8 times); the keypad flashes as well.

Audio Mode: Choosing **Disable (3)** in Audio mode shuts off the code confirmation tone playback for use in quiet areas. Audio mode is enabled or disabled through feature programming by the Master PIN code.

Automatic Re-lock Time: After successful code entry and the unit unlocks, it will automatically re-lock after a default of thirty (30) seconds. Re-lock time is adjustable* from 10 - 180 seconds.

Inside Indicator Light: Shows active status (Locked) of lock and can be enabled or disabled in the **Advanced Lock Settings** (Main Menu selection #3).

Low Battery: When battery power is low, the Status Indicator flashes RED. If battery power is completely lost, use the key override.

Master PIN Code: The Master PIN code is used for programming and for feature settings. It **must be registered prior to programming the lock.** The Master code will also operate (unlock/lock) the lock.

Network Module Setting: With the optional Network Module installed, this setting becomes available through the Main Menu (7) and allows the lock to connect with a network controller.

One Touch Locking: When the latch is retracted, activating the keypad will extend the latch (during Automatic Re-lock duration or when Automatic Re-lock is disabled).

Privacy Mode Button: Pressing and holding the Privacy button (found below thumbturn) for a duration of four beeps deactivates the keypad, and because it is set from the inside, provides a secure lock for the convenience of the occupant(s).

Shutdown Time: The unit will shutdown for a default of sixty (60) seconds (time is adjustable* from 10 - 180 seconds) and not allow operation after the wrong code entry limit (see below) has been met. When the unit is in Shutdown, the Status Indicator flashes RED and BLUE; the keypad flashes as well.

Tamper Alert: Audible alarm sounds if attempting to forcibly remove outside lock from door.

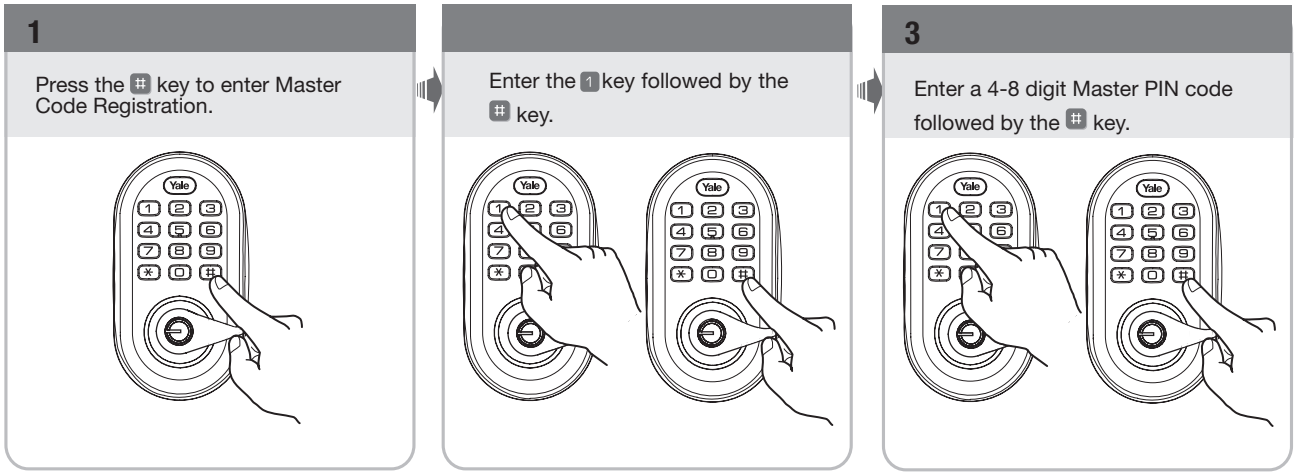
User PIN Code: The User code operates the lock. Maximum number of user codes is 250 with Network Module; without Network Module, maximum is 25 user codes.

Wrong Code Entry Limit: After a specified number of unsuccessful attempts at entering a valid PIN code the unit will shut down and not allow operation. Default setting is (5). Limit is adjustable* from one (1) to ten (10) times.

***Adjustable only when using Network Module with compatible integrated controller**

Register Master PIN Code Before Programming*

1. Press the # key to enter **Master PIN Code Registration**.
2. Press 1 followed by the # key.
3. Enter a unique 4-8 digit Master PIN code followed by the # key.


1
Press the # key to enter Master Code Registration.
Enter the 1 key followed by the # key.
3
Enter a 4-8 digit Master PIN code followed by the # key.

*This initial step ***must*** be performed upon installation or after resetting the lock to factory default. Programming and subsequent use of the lock is not possible until this step has been successfully completed.

PIN code structure

Maximum number of user codes is 250 with Network Module; without Network Module, maximum is 25 user codes.

User PIN Code Registration

User Codes can only be programmed through the Master PIN Code*.

1. Enter the 4-8 digit Master PIN code followed by the # key.
2. Enter 2 followed by the # key.
3. Enter 1 followed by the # key.
3. Enter the User number (1-25) to be registered followed by the # key.
4. Enter a 4-8 digit PIN code for the User number followed by the # key.

Note: When registering User codes, the code must be entered within 20 seconds.
If time expires, no codes are registered and the process must be re-started.

Protect your privacy; always shield your PIN code entry.

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To reset the lock to factory default, see the following:

Reset Lock to Factory Default

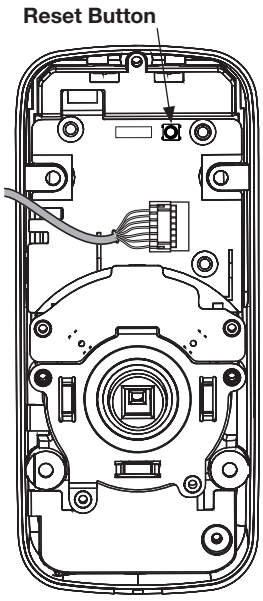
The following procedure returns the lock to its factory defaults by deleting all user codes **(including the Master PIN code*)** and returning all programming features to their original default settings (see below).

1. Remove the batteries and then remove the interior escutcheon to access the reset button.
2. The reset button (see image at right) is located above the PCB cable connector.
3. Hold down the reset button for a minimum of 3 seconds and then reinstall the batteries; once the batteries are properly installed, release the reset button.

All features, including adjustable settings** (see below) should now be returned to factory default.

*Upon reset, Master Code Registration is the only option available and **must be performed** prior to any other programming of the lock.

See **"Operation"** in this manual for programming instructions.



Interior Escutcheon

Factory Default Settings

Settings	Factory Default
Master PIN Code	Registration ***required***
Automatic Re-lock	Disabled
Inside Indicator Light	Disabled (Off)
One Touch Locking	Enabled
Audio	Enabled
Automatic Re-lock Time	**30 Seconds
Wrong Code Entry Limit	**5 Times
Shutdown Time	**60 Seconds

*The Master PIN code must be registered prior to any other programming of the lock

**Adjustable only when using Network Module with a compatible itegrated controller

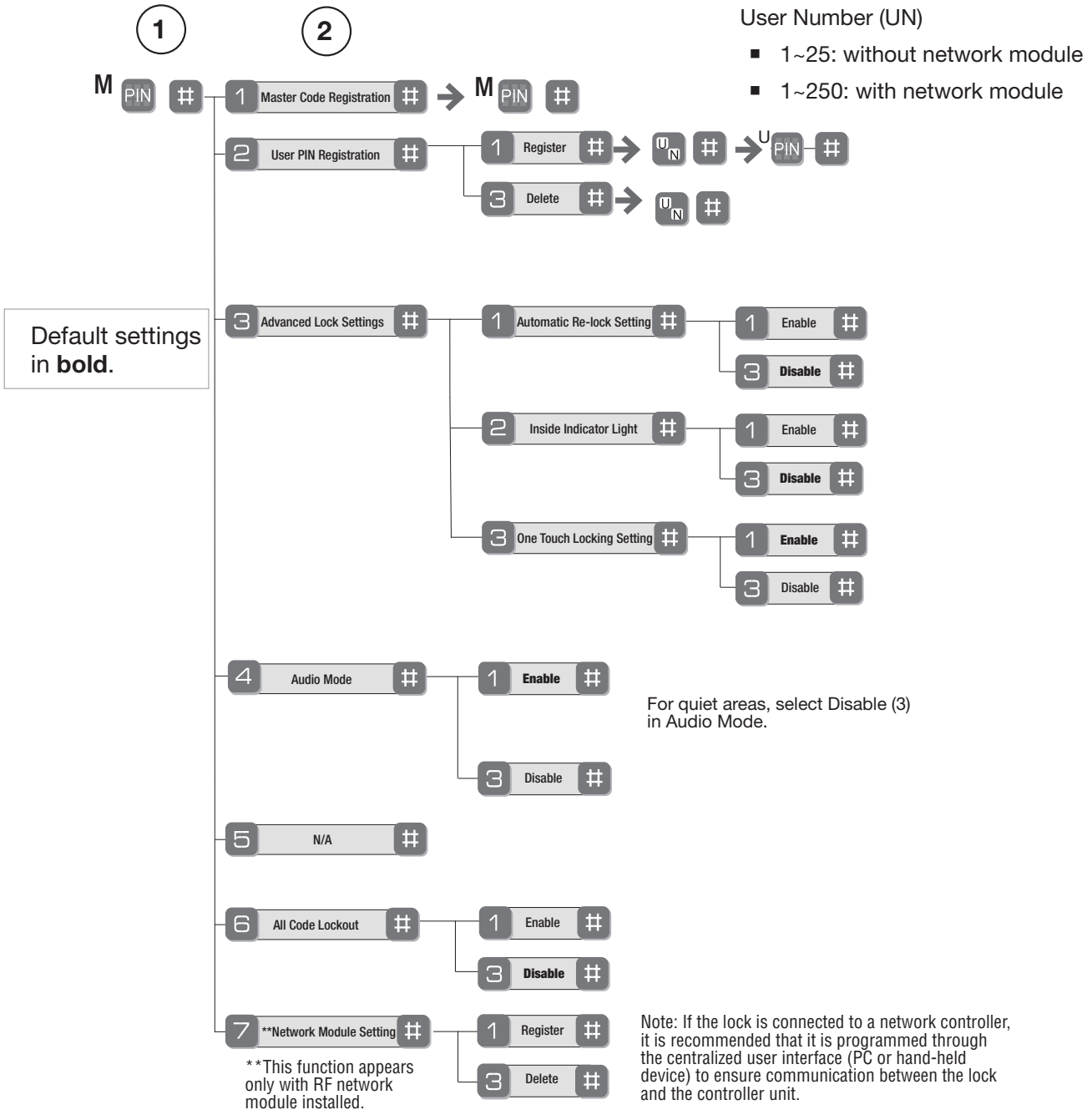
Feature Programming Through Menu Mode Using Master PIN code*

1. Enter the 4-8 digit Master PIN code followed by the # key.
2. Enter digit corresponding to the function to be performed followed by the # key.

   Note: If the lock is connected to a network controller, it is recommended that it is programmed through the centralized user interface (PC or hand-held device) to ensure communication between the lock and the controller unit.

***A unique Master PIN Code must be entered prior to any further programming of the lock.**

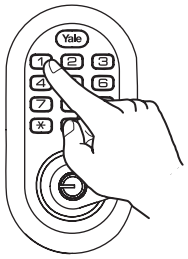
(See section on page 16 "Register Master PIN Code Before Programming")


1
2
User Number (UN)
■ 1~25: without network module
■ 1~250: with network module
M PIN #
1 Master Code Registration # → M PIN #
2 User PIN Registration #
1 Register # → UN # → U PIN #
3 Delete # → UN #
Default settings in **bold**.
3 Advanced Lock Settings #
1 Automatic Re-lock Setting #
1 Enable #
3 Disable #
2 Inside Indicator Light #
1 Enable #
3 Disable #
3 One Touch Locking Setting #
1 Enable #
3 Disable #
4 Audio Mode #
1 Enable #
3 Disable #
For quiet areas, select Disable (3) in Audio Mode.
5 N/A #
6 All Code Lockout #
1 Enable #
3 Disable #
7 **Network Module Setting #
1 Register #
3 Delete #
**This function appears only with RF network module installed.
Note: If the lock is connected to a network controller, it is recommended that it is programmed through the centralized user interface (PC or hand-held device) to ensure communication between the lock and the controller unit.

Open Door with PIN Code

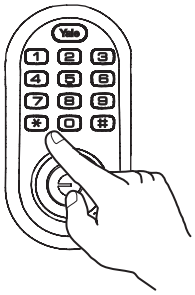
1

Enter PIN code.



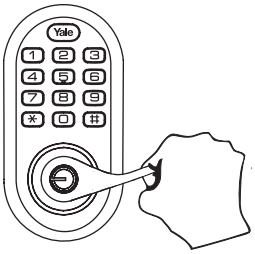
2

Complete the code entry by pressing the * key.



3

Unlock.



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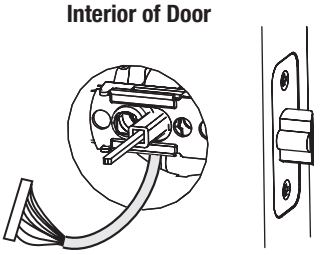
MISCELLANEOUS

Hardware Troubleshooting.....20
Programming Troubleshooting 21
Installing the Network Module 22
Replace/Install Cylinder 22
Sample PIN Code Management Sheet.....23

TROUBLESHOOTING

Hardware Troubleshooting

Cycle the lock in both the locked and the unlocked positions. If problems are found:

Symptom	Suggested Action
Door is binding	a. Check that door and frame are properly aligned and door is free swinging. b. Check hinges: They should not be loose or have excessive wear on knuckles.
Latch will not deadlock	a. Check for sufficient clearance of the latch within the strike-side jamb. Correct this by increasing the depth of the pocket for the latch. b. Check for misalignment of latch and/or strike plate which may be preventing latch from properly entering the strike plate. With the door open, extend and retract the latch; if it is smooth, check the strike plate alignment.
Latch does not extend or retract smoothly	a. Latch and strike plate are misaligned, see above. b. Check the backset of door relative to adjustments already made to latch. c. Verify proper door preparation and re-bore holes that are too small or misaligned. d. Verify keypad wire harness is routed under the latch (see Fig. A). e. Verify latch is installed with correct side up (Fig. A). **Interior of Door**  **Figure A**

Programming Troubleshooting

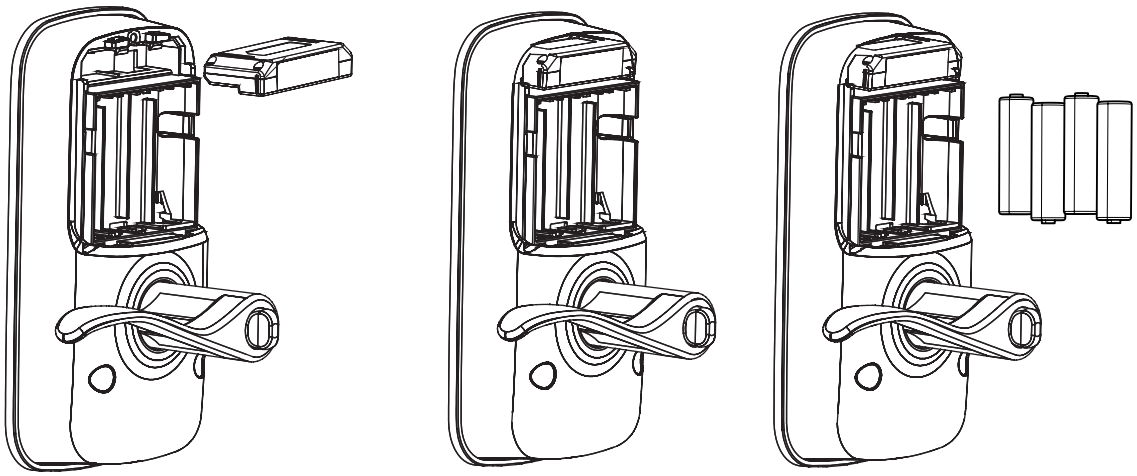
Symptom	Suggested Action
Lock does not respond – door is open and accessible.	• Press each keypad button to see if they respond when pressed. • Check batteries are installed and oriented correctly (polarity) in the battery case. • Check batteries are in good condition; replace batteries* if discharged. • Check to see if wire harness is fully connected and not pinched.
Lock does not respond – door is locked and inaccessible.	• Batteries may be completely discharged. Use mechanical key to gain entry and replace batteries*.
Unit chimes to indicate code acceptance, but the door will not open.	• Check to see if there is another locking device on the door. • Check the door gaps for any foreign objects between door and frame. • Check that the wire harness is firmly connected to the PC board.
Unit operates to allow access, but will not automatically re-lock.	• Check to see if Automatic Re-lock Mode is enabled. • Disable Automatic Re-lock Mode to lock the door (automatically). • If low battery indicator is lit (see below), change batteries*.
PIN codes will not register.	• PIN codes must consist of 4 to 8 digits to register. • The same PIN code cannot be used for multiple users. • Registration/management of PIN codes is set by the authority of the Master PIN Code. • Contact the Master PIN Code user. • User codes must be entered within 5 seconds or the process will have to be restarted. • The star (*) or pound (#) cannot be used as part of the PIN code.
Upon entering a PIN code and pressing the star (*) key, the lock gives a series of beeps, flashes red and blue LEDs seven times, and does not unlock.	• Lockout Mode is enabled. • Only the Master PIN Code can enable/disable Lockout Mode. • Contact the Master PIN Code user.
Upon entering a PIN code and pressing the (*) key, there are different tones.	• Check to see if the lock is set to Lockout Mode. • Setting/managing Lockout Mode is done through Master PIN Code only. Contact the Master PIN Code user.
The unit operates, but it makes no sound.	• Enable Audio Mode.
The unit displays intermittent RED flashes.	• This is the Low Battery indicator alerting that it is time to replace the batteries. Replace all four (4) batteries* with new AA Alkaline batteries.
Upon entering a PIN code and pressing the star (*) key, the unit responds with a series of beeps and the keypad flashes three times.	• The digits entered were incorrect or incomplete. Re-enter the correct code followed by the star key.

*** When batteries are replaced, Network Module locks have a real time clock that will be set through the User Interface; it is recommended to verify correct date and time particularly those locks operating under Daylight Saving Time (DST).**
**** Network module units only**

Installing the Network Module

IMPORTANT: The batteries must be removed prior to removing and/or inserting the network module:

- Remove battery cover
- Remove batteries
- Remove and/or insert network module
- Reinstall batteries



Use Feature Programming step 7 (page 18) for enrollment of the Network Module.

Replace/Install Cylinder

1. Remove cylinder:
   A. Repeat previous steps for removing the exterior lever handle.
   B. Remove cylinder.

2. Install new cylinder:
   A. Insert cylinder in exterior lever.
   B. Insert key in cylinder; rotate the key 90° clockwise.
   C. Push handle in allowing holes for set screw to align.
   D. Insert set screw and **tighten by turning set screw counter-clockwise.**
   E. Verify that new cylinder fits and rotates freely.
   F. Test operation of the new cylinder/key.

PIN CODE MANAGEMENT SAMPLE SHEET

PIN Code Management (With Network Module - Up to 250 Users) - Duplicate Sheet to record entries							
User Type	User Name	User #	PIN Code	User	User Name	User #	PIN Code
Master				User ___			
User ___				User ___			
User ___				User ___			
User ___

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

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